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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,858	10/14/2003	Ernest L. Baker	012003-03	4798
7590	10/20/2004		EXAMINER	
Yale S. Finkle UNOCAL P.O. Box 7600 Brea, CA 92822-7600			LOFDAHL, JORDAN M	
		ART UNIT	PAPER NUMBER	
		3644		

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/684,858	BAKER ET AL.
	Examiner Jordan Lofdahl	Art Unit 3644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 01 October 2004.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1 and 3-37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 20-22, 26-29, 32-35 and 37 is/are allowed.
- 6) Claim(s) 1, 19, 23, 24, 30 and 31 is/are rejected.
- 7) Claim(s) 3-18, 25 and 36 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10/14/03.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Response to Arguments***

The prior art of Bucklisch discloses two passageways (6; read as the horizontal passageway as one passageway and the angled passageway as the second passageway) and lacks an insert as argued by the applicant.

### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the device must be devoid of wave shapers, deflectors, inner cases and mechanical inserts (reference number 14 is read as a wave shaper, deflector, inner case or mechanical insert) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for

consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 23 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Bucklishch (3736875).

As to claim 23, Bucklishch discloses a device comprising case having a hollow interior defined by side walls, a closed back end (8); an open front end (2); two passage ways (6; read as the horizontal passageway as one passageway and the angled passageway as the second passageway); a liner (3); a main charge (1); a booster explosive (6) communicating with main charge at two or more points (9).

As to claim 24, disclosed is a device devoid of wave shapers, deflectors, inner cases and mechanical inserts (reference number is not read as a wave shaper, deflector, inner case or mechanical insert)

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bucklishch (3736875) and further in view of Yates, Jr. (4829901).

As to claim 1, Bucklishch discloses the method steps of placing a device comprising case having a hollow interior defined by side walls, a closed back end (8); an open front end (2); two passage ways (6); a liner (3); a main charge (1); a booster explosive (6) communicating with main charge at two or more points (9). Not disclosed is the method step of placing the device in a bore hole surrounded by hydrocarbon. Yates, Jr., however, discloses, a method step of placing a shaped charge in a well surrounded by hydrocarbon. It would have been obvious to one having ordinary skill in the art at the time the invention was made to add the method step of Yates, Jr., to the method steps of Bucklishch to create a means to recover hydrocarbon from a well.

As to claim 19, disclosed is the explosive charge initiated simultaneously at two or more points (9).

Claims 30 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bucklishch (3736875) and further in view of Kash (2004/0107825).

As to claim 30, not disclosed are a plurality of charges. Kash, however, discloses a plurality of charges. It would have been obvious to one having ordinary skill in the art at the time the invention was made to comprise the device of Bucklishch with a plurality of charges to extract more oil.

As to claim 31, disclosed is the device, as modified, comprising a plurality of charges in a helical orientation.

***Allowable Subject Matter***

Claims 20-22, 26-29, 32-35 and 37 are allowed.

Claims 3-18, 25 and 36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jordan Lofdahl whose telephone number is 703.605.1217. The examiner can normally be reached on m-f 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Teri Luu can be reached on 703.305.7421. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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